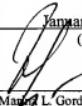


## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Brownlie et al.  
App. No : 10/522,513  
Filed : June 22, 2006  
For : CANINE RESPIRATORY  
CORONAVIRUS (CRCV) SPIKE  
PROTEIN, POLYMERASE AND  
HEMAGGLUTININ/ESTERASE  
Examiner : Blumel, Benjamin P.  
Art Unit : 1648  
Conf # : 3443

CERTIFICATE OF EFS WEB  
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January 15, 2008

(Date)

  
Mary L. Gordey, Reg. No. 52,9502<sup>nd</sup> PRELIMINARY AMENDMENT

**Mail Stop Amendment**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In response to Notice to Comply with Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acid Sequence Disclosures, mailed December 20, 2007, and preliminary to the examination on the merits, please additionally amend the above-identified application as follows:

**Amendments to the Specification** begin on page 2 of this paper.

**Remarks/Arguments** begin on page 3 of this paper.